BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Modified Estimate for the work: Improvements of roads from Khasinagara to [illegible]tappa Layout in ward no 07 Byatrayanapura, Kodigehalli Sub Division.

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
1	KSRB 2-2.2:Earth work excavation by Manual means in ordinary soil involving an average horizontal throw up to 2mts and an average lift up to0.5m, excavated surface levelled and sides neatly dressed, the dipsosed earth to be levelled neatly after breaking clods complete as per specifications complete as per spcefications. (Pg No.138, I.No.19.1 of P & IWTD S.R 2014-15)								
	Khasinagara main road from (burial ground to Pvt ppty))	cum	2	119.00	0.90	0.90	192.78		
	From main road to lake		2	103.50	0.90	1.00	186.30	TP	
	Overburden earth		1	9.00	2.00	0.90	16.20		
						Total:-	**387.00**	74.82	**28956.00**
	PWD SR 2015-16 Basic rate	70.00							
	Add A.W. 8%	5.60							
	Total	75.60							
	Tender Premium @- 1.03%	0.78							
	Total	74.82							
2	**KSRB 4-1.3:** Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)								
	Cross road RHS		2	119	0.9	0.15	32.13		
	Cross road 2 RHS		2	103.5	0.9	0.15	27.95		
		cum					**60.08**	5011.96	**301094.00**
	PWD SR 2015-16 Basic rate	4689.00							
	Add A.W. 8%	375.12							
	Total	5064.12							
	Tender Premium @- 1.03%	52.16							
	Total	5011.96							
3	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum)								
	BOTTOM SLAB								
	Khasinagara main road from (burial ground to Pvt ppty))		2	119.00	0.90	0.15	32.13		
	From main road to lake		2	103.50	0.90	0.15	27.95		
	SIDE WALLS								
	Khasinagara main road from (burial ground to Pvt ppty))	2x2	4	119.00	0.15	0.60	42.84		
	From main road to lake	2x2	4	103.50	0.10	0.70	28.98		
		cum					**131.90**	5786.89	**763263.00**
	PWD SR 2015-16 Basic rate	5414.00							
	Add A.W. 8%	433.12							
	Total	5847.12							
	Tender Premium @- 1.03%	60.23							
	Total	5786.89							

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amou
				L	B	D			
4	**KSRB 4-.9-2:**Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)								
	Qty @ 45 Kg/cum	tonne		0.045		131.90	5.94		
						Total:-	**5.94**	77544.82	**460250.00**
	Revised PWD SR 2015-16 Basic rate	72548.00							
	Add A.W. 8%	5803.84							
	Total	78351.84							
	Tender Premium @- 1.03%	807.02							
	Total	77544.82							
5	**KSRB 4-6.4:** Providing and removing centering, shuttering strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications (Page no.14, Item No. 4.31)								
	Khasinagara main road from (burial ground to Pvt ppty))	2x4	8	119		0.60	571.20		
	From main road to lake	2x4	8	103.5		0.70	579.60		
		Sqm					**1150.80**	234.08	**269384.00**
	PWD SR 2015-16 Basic rate	219.00							
	Area Weightage 8%	17.52							
	total	236.52							
	Tender Premium @- 1.03%	2.44							
	Total	234.08							
6	KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications.								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119.00		8.5	1011.50		
	From main road to lake		1	103.50		8	828.00		
								TP	
		Sqm				Total:-	**1839.50**	18.17	**33426.00**
	PWD SR 2015-16 Basic rate	17.00							
	Area Weightage 8%	1.36							
	total	18.36							
	Tender Premium @- 1.03%	0.19							
	Total	18.17							
7	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5		1011.50		
	From main road to lake		1	103.5	8		828.00		
								TP	
		Sqm				Total:-	**1839.50**	4.44	**8160.00**
	PWD SR 2015-16 Basic rate	4.15							
	Area Weightage 8%	0.33							
	total	4.48							
	Tender Premium @- 1.03%	0.05							
	Total	4.44							

	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5	0.2	202.30		
	From main road to lake		1	103.5	8	0.2	165.60	TP	
		cum				Total:-	**367.90**	1423.74	**523795.00**
	PWD SR 2015-16 Basic rate	1332.00							
	Area Weightage 8%	106.56							
	total	1438.56							
	Tender Premium @- 1.03%	14.82							
	Total	1423.74							
9	KSRRB 500-10: Tack coat: Providing and applying Primer coat with SS Bitumen emulsion on preprare surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg/Sqm using mechanical means complete a sper specifications. (Pg No. 160. Item No. 21.6)								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5		1011.50		
	From main road to lake		1	103.5	8		828.00	TP	
		Sqm				Total:-	**1839.50**	31.00	**57020.00**
	PWD SR 2015-16 Basic rate	29.00							
	Area Weightage 8%	2.32							
	total	31.32							
	Tender Premium @- 1.03%	0.32							
	Total	31.00							
10	KSRRB 500-11: Providing and laying bituminous macadam on prepared surface with crushed aggregates as per design mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant, rasnsporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level to paver and laying mixed materials with paver finisher to the required level and grade , rolling by power roller to acheive the desired density, but excluding cost of primer/tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications., (using 40/60 TPH capacity H.M.P with mechanical paver Gr-1(80mm to 10mm) with 3.3% VG-30 bitumen.(Page No.162, Item No.21.11.5)								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5	0.05	50.58		
	From main road to lake		1	103.5	8	0.05	41.40	TP	
		Cum				Total:-	**91.98**	7832.72	**720415.00**
	PWD SR 2015-16 Basic rate	7328.00							
	Area Weightage 8%	586.24							
	total	7914.24							
	Tender Premium @- 1.03%	81.52							
	Total	7832.72							
11	KSRRB 500-07: Providing and applying tack coat with80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials , labour HOM Machineries complete as per specifications.. (Pg No. 160. Item No. 21.7)								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5		1011.50		

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	From main road to lake		1	103.5	8		828.00	TP	
		Sqm				Total:-	**1839.50**	11.76	**21629.00**
	PWD SR 2015-16 Basic rate	11.00							
	Area Weightage 8%	0.88							
	total	11.88							
	Tender Premium @- 1.03%	0.12							
	Total	11.76							
12	KSRRB 500-18: Providing and laying bituminous concrete using crushed aggragates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work to site,laying with a hydrostatic paver with paver finisher to the required grade, level and alignment rolling with smooth wheeled, vibratory and tandem rolleres to achieve the desired compaction as per MORTH Specification clause No. 500.9 complete in all respects as per specifications. using 40/60TPH capacity H.M.P with sensor paver Gr-1(30-40mm) with 5.5% CRMB 55(P161.Item No.21.23.3)								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	8.5	0.04	40.46		
	From main road to lake		1	103.5	8	0.04	33.12	TP	
		cum				Total:-	**73.58**	9385.80	**690608.00**
	PWD SR 2015-16 Basic rate	8781.00							
	Area Weightage 8%	702.48							
	total	9483.48							
	Tender Premium @- 1.03%	97.68							
	Total	9385.80							
13	KSRRB M800-13: Providing and laying of hot applied thermoplastic copmound 2.5mm thick including reflectorsing glass beeds at 250 gms per sqm area thickness of 2.5mm is exclusive of surface applied galss beads as per IRC:35. The finished surface to be level, uniform and free sreaks and holes complete as per specifications MORTH Specifications No.803 including cost of materials, labour complete as per specifications.(P-185, I No: 24.15)								
	Khasinagara main road from (burial ground to Pvt ppty))		1	119	0.1		11.90		
	From main road to lake		1	103.5	0.1		10.35	TP	
		m				Total:-	**22.25**	470.31	**10465.00**
	PWD SR 2015-16 Basic rate	440.00							
	Area Weightage 8%	35.20							
	total	475.20							
	Tender Premium @- 1.03%	4.89							
	Total	470.31							
14	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km								
			Qty Vide Item No. 1					TP	
		cum				Total:-	**387.00**	71.96	**27849.00**
	PWD SR 2015-16 Basic rate	-							
	Area Weightage 8%	-							
	total	72.71							
	Tender Premium @- 1.03%	0.75							
	Total	71.96						**Total:-**	**3916304.22**
	Certificate:-								
	1)This is certified that the work spot comes under BBMP limits only.								
	2)The rates are as per CSR of 2014-15 2015-16 +/- Tender Premium.								
	3)The Provisions made in estimate are adequate and necessary.								

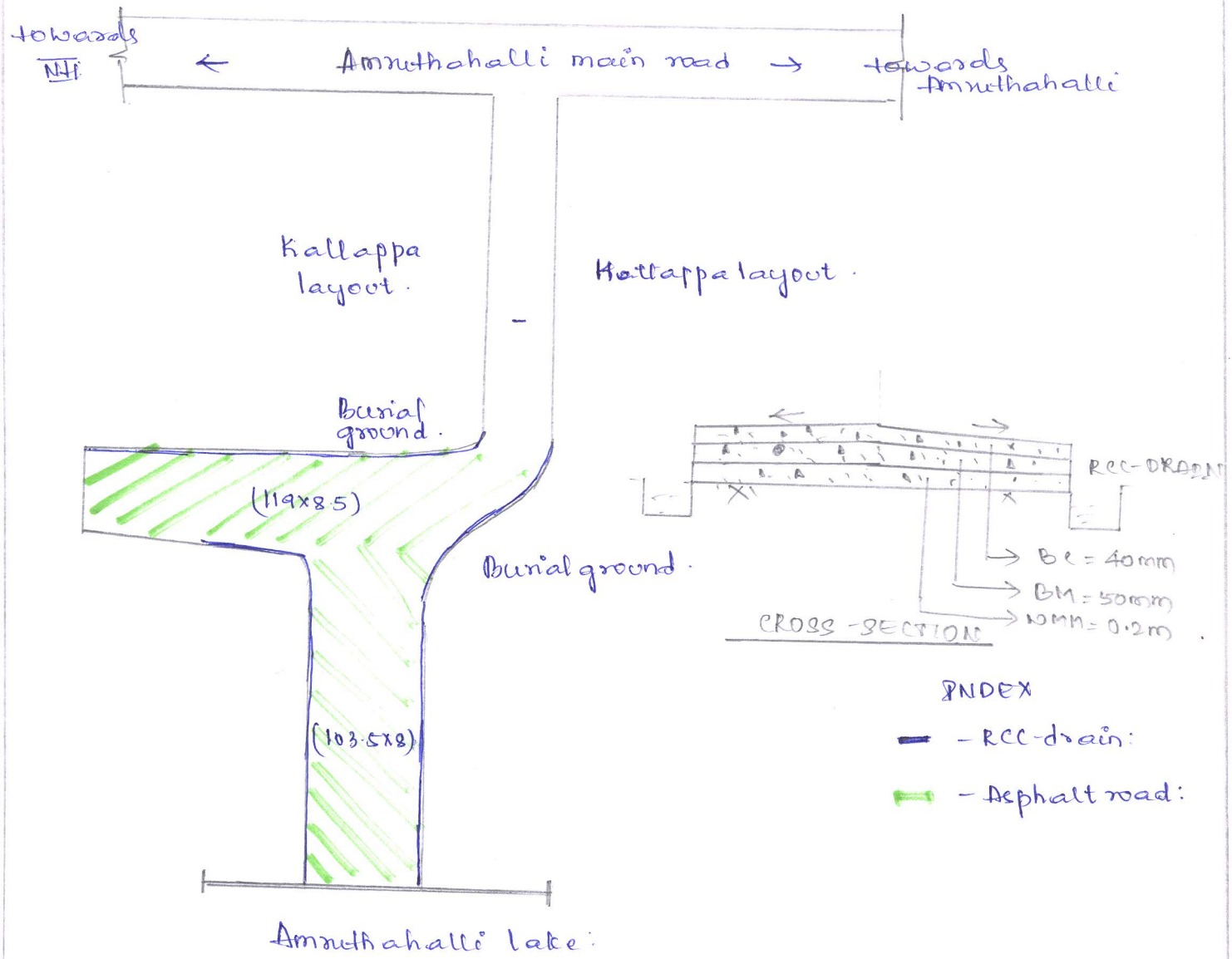
	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	Asst.Engineer	Asst.Exe.Engineer					Executive Engineer		
	Ward no.7	Kodigehalli Sub-division					Byatarayanapura division		
	B.B.M.P.	B.B.M.P.					B.B.M.P.		

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhat Bangalore Mahanagara
Palike
Bangalore 92

Name of work:- Improvements of roads from Thasninagara to Hottappa layout in Ward no-07 Byatarayanapura, Kodigehalli Sub-division.



AE(ND)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092